## **AMENDMENTS TO THE CLAIMS**

1-97 (canceled)

98. (Currently Amended) A signal transmission and receiving apparatus for transmitting and receiving a PSK <u>modulated signal</u> or <u>a QAM</u> modulated signal, the apparatus comprising a transmission apparatus and a receiving apparatus,

said transmission apparatus comprising:

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- a modulator operable to modulate a data stream to an n-level PSK modulated signal or an n-level QAM modulated signal, wherein n is an integer,

wherein the modulator is operable to select a value of n from a plurality of values of n according to a transmission condition; and

- a transmitter operable to transmit the n-level PSK <u>modulated signal</u> or <u>the n-level</u> OAM modulated signal;

wherein the transmission power of the n-level PSK modulated signal or the n-level QAM modulated signal is determined according to information representing the selected value of n:

said receiving apparatus comprising:

- a demodulator operable to demodulate the n-level PSK <u>modulated signal</u> or <u>the n-level QAM</u> modulated signal to a demodulated data stream.
- 99. (Canceled).
- 100. (Currently Amended) A signal transmission apparatus for transmitting a PSK modulated signal or a QAM modulated signal, the apparatus comprising:
- a modulator operable to modulate a data stream to an n-level PSK modulated signal or an n-level QAM modulated signal, wherein n is an integer,

wherein the modulator is is operable to select a value of n from a plurality of values of n according to a transmission condition; and

- a transmitter operable to transmit the n-level PSK <u>modulated signal</u> or <u>the n-level QAM</u> modulated signal;

wherein the transmission power of the n-level PSK modulated signal or the n-level QAM modulated signal is determined according to information representing the selected value of n.

- 101. (Canceled).
- 102. (Currently Amended) A signal receiving apparatus comprising:
- a receiver operable to receive a transmitted n-level PSK modulated signal or a transmitted n-level QAM modulated signal, wherein n is an integer,

wherein the value of n is selected from a plurality of values of n-according to a transmission condition, and the transmission power of the transmitted n-level PSK modulated signal or the transmitted n-level QAM modulated signal is relative to information representing the selected value of n; and

- a demodulator operable to demodulate the n-level PSK <u>modulated signal</u> or <u>the n-level</u> QAM modulated signal to a data stream.
- 103. (Canceled).
- 104. (Currently Amended) A signal transmission and receiving method for transmitting and receiving a PSK modulated signal or a QAM modulated signal, the method comprising a transmission method and a receiving method,

said transmission method comprising:

- modulating a data stream to an n-level PSK modulated signal or an n-level QAM modulated signal, wherein n is an integer,
- wherein the modulating includes selecting a value of n from a plurality of values of n according to a transmission condition; and

- transmitting the n-level PSK <u>modulated signal</u> or <u>the n-level QAM</u> modulated signal;

wherein the transmission power of the n-level PSK modulated signal or the n-level QAM modulated signal is determined according to information representing the selected value of n;

said receiving method comprising:

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- demodulating the n-level PSK <u>modulated signal</u> or <u>the n-level QAM</u> modulated signal to a demodulated data stream.
- 105. (Canceled).
- 106. (Currently Amended) A signal transmission method for transmitting a PSK <u>modulated signal</u> or QAM modulated signal, the method comprising:
- modulating a data stream to an n-level PSK modulated signal or an n-level QAM modulated signal, wherein n is an integer,

wherein the modulating includes selecting a value of n from a plurality of fo-values of n according to a transmission condition; and

- transmitting the n-level PSK modulated signal or the QAM modulated signal;

wherein the transmission power of the n-level PSK modulated signal or the n-level QAM modulated signal is determined according to information representing the selected value of n.

- 107. (Canceled).
- 108. (Currently Amended) A signal receiving method comprising:
- receiving a transmitted n-level PSK modulated signal or a transmitted n-level QAM modulated signal, wherein n is an integer,

wherein the value of n is selected from a plurality of values of n, and the transmission power of the transmitted n-level PSK modulated signal or the transmitted n-level QAM modulated signal

is relative to information representing the selected value of n-according to a transmission condition; and

- demodulating the <u>transmitted n-level PSK modulated signal or the transmitted n-level QAM</u> modulated signal to a data stream.

109. (Canceled).